

## REMARKS

Applicants respectfully request reconsideration of this application, and reconsideration of the Office Action dated June 27, 2005. Upon entry of this Amendment, claims 1 and 2 will remain pending in this application. Claim 1 has been amended and the changes thereto are supported by the specification and original claims. The written description has also been amended to remove references to specific claim numbers. No new matter is introduced by this Amendment.

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The sole remaining issue concerns the rejection of the claims under 35 U.S.C. 103(a) as purportedly obvious based on Sorrells et al. (U.S. Pat. No. 6,091,940) in view of Welch (U.S. Pat. No. 6,268,777). Applicants respectfully traverse this rejection.

Independent claim 1, from which claim 2 depends, concerns a voltage controlled oscillator for controlling the oscillation frequency of an output signal, depending on an input voltage. The oscillator receives a modulated voltage. It uses a reactance transistor or a digital oscillator with a multivibrator to output an FM signal. The FM signal is defined as having a band including the fundamental oscillation frequency, and higher harmonic components of the fundamental. As explained in the last Amendment (dated December 21, 2004) and as conceded in the present Office Action, Sorrels simply neither teaches nor fairly suggests Applicants' recited oscillator that includes a reactance transistor or a digital oscillator with a multivibrator.

The Office Action asserts that Welch discloses employing a varactor and thus concludes that the combined teachings of Sorrels and Welch renders the claimed invention obvious. However, claim 1 has been amended to remove the terminology "varactor." Applicants respectfully submit that neither of the cited patents teaches or fairly suggests employing (i) a reactance transistor or (ii) a digital oscillator with a multivibrator to output an FM signal. Furthermore, there is nothing in the combined teachings of the two patents which would motivate those of ordinary skill in the art to employ a reactance transistor or such a digital oscillator.

In view of the above remarks, Applicants respectfully submit that this rejection is overcome and requests it be withdrawn.

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Applicants respectfully submit that this Amendment and the above remarks obviate the outstanding rejection in this case, thereby placing the application in condition for immediate allowance. Allowance of this application is earnestly solicited.

If any fees are due in connection with the filing of this Amendment, such as fees under 37 C.F.R. §§ 1.16 or 1.17, please charge the fees to our Deposit Account No. 02-4300; Order No. 033216.0391.

Respectfully submitted,

SMITH, GAMBRELL & RUSSELL, LLP

By: 

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Michael A. Makuch, Reg. No. 32,263  
1850 M Street, N.W., Suite 800  
Washington, D.C. 20036  
Telephone: (202) 263-4300  
Facsimile: (202) 263-4329

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